

SYSTEM FOR SYNTHESIS OF ELECTRODE ARRAY

ABSTRACT OF THE DISCLOSURE

5 Systems and methods for preparing electrocatalysts are disclosed. The
system includes a high temperature synthesis device for preparing an array of
10 electrocatalysts as electrolytic surfaces of working electrodes. At least a portion
of the electrolytic surfaces are defined by different materials. The device includes
a plurality of openings for receiving the array of working electrodes and a mask
having a plurality of openings configured for exposing at least a portion of each of
10 the working electrodes for forming the electrolytic surfaces thereon.